

## SABIC Innovative Plastics LNP THERMOCOMP WFB44 PBT (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

### Material Notes:

LNP\* Thermocomp\* WFB44 is a compound based on Polybutylene Terephthalate resin containing Glass Fiber, Glass Bead.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WFB44-PBT-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-WFB44-PBT-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	5 mm/min; ISO 527
Elongation at Break	2.8 %	2.8 %	5 mm/min; ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	1 mm/min; ISO 527
Flexural Strength	140 MPa	20300 psi	2 mm/min; ISO 178
Flexural Yield Strength	157 MPa	22800 psi	2 mm/min; ISO 178
Flexural Modulus	7.20 GPa	1040 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	21.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	99.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	55.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 0.46 MPa (66 psi)	219 $\text{Å}^\circ\text{C}$	426 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	192 $\text{Å}^\circ\text{C}$	378 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 14 ohm	English 4 ohm	Comments
Comparative Tracking Index	325 V	325 V	IEC 60112

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China